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imagery analysis report

Transportable TT-EL-01 Telemetry
Antenna, USSR (S)



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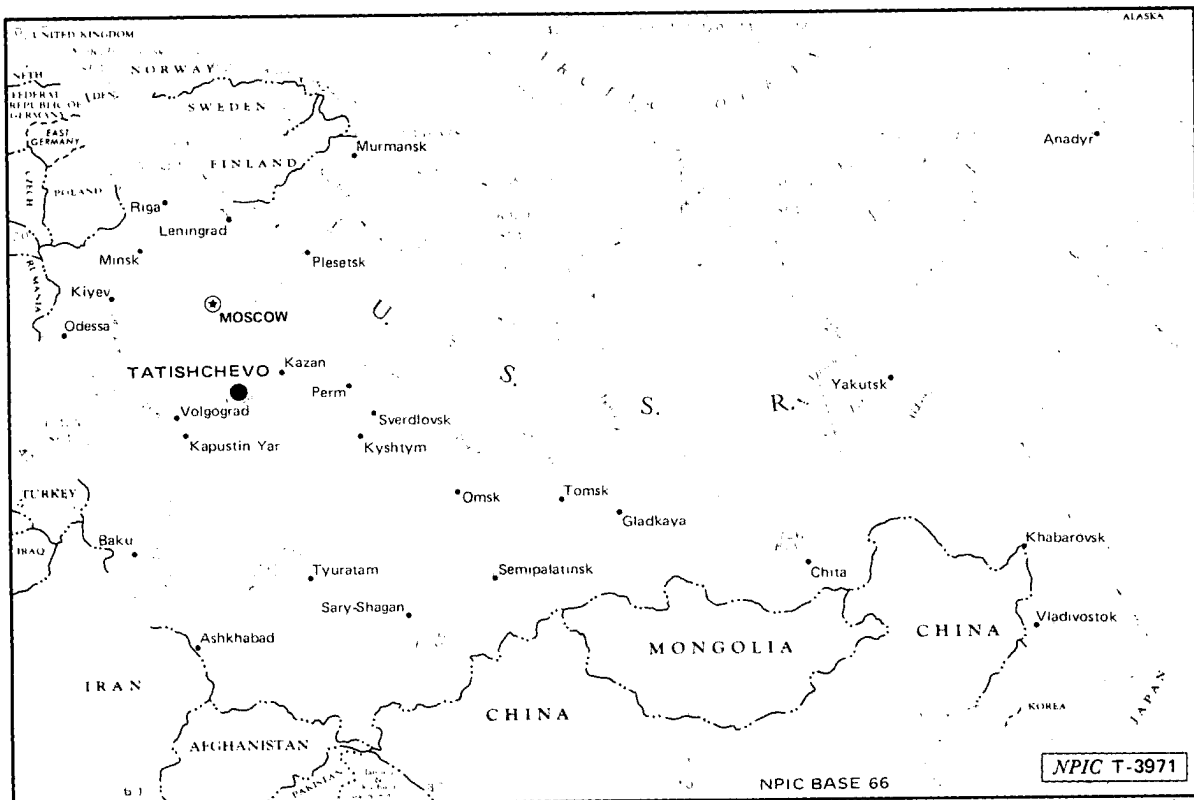
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TRANSPORTABLE TT-EL-01 TELEMETRY ANTENNA, USSR (S)

1. (S/D) A transportable TT-EL-01 telemetry antenna was used to monitor the early flight portion of SS-19 launches from silos at Tatishchevo SSM Complex Figure 1) in April 1981 and January 1982. This was the first identification of a transportable TT-EL-01, and the first time that this antenna has been seen at a deployed missile complex. Lattice towers have been erected on some silo aprons, and offsite ground instrumentation positions have been constructed at several sites. The presence of any of this telemetry or instrumentation equipment at a deployed launch group is a good indicator of missile flight test activity.

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2. (S/D) The transportable TT-EL-01 was mounted on a pedestal atop the center section of an H-shaped platform (Figures 2 and 3). The seven-element antenna cluster appears to be the same as those seen ground-mounted or on buildings at the missile test ranges (Figure 4). In addition, a tower-mounted calibration device associated with the TT-EL-01 has usually been present.

**FIGURE 1. LOCATION OF TATISHCHEVO SSM COMPLEX, USSR**

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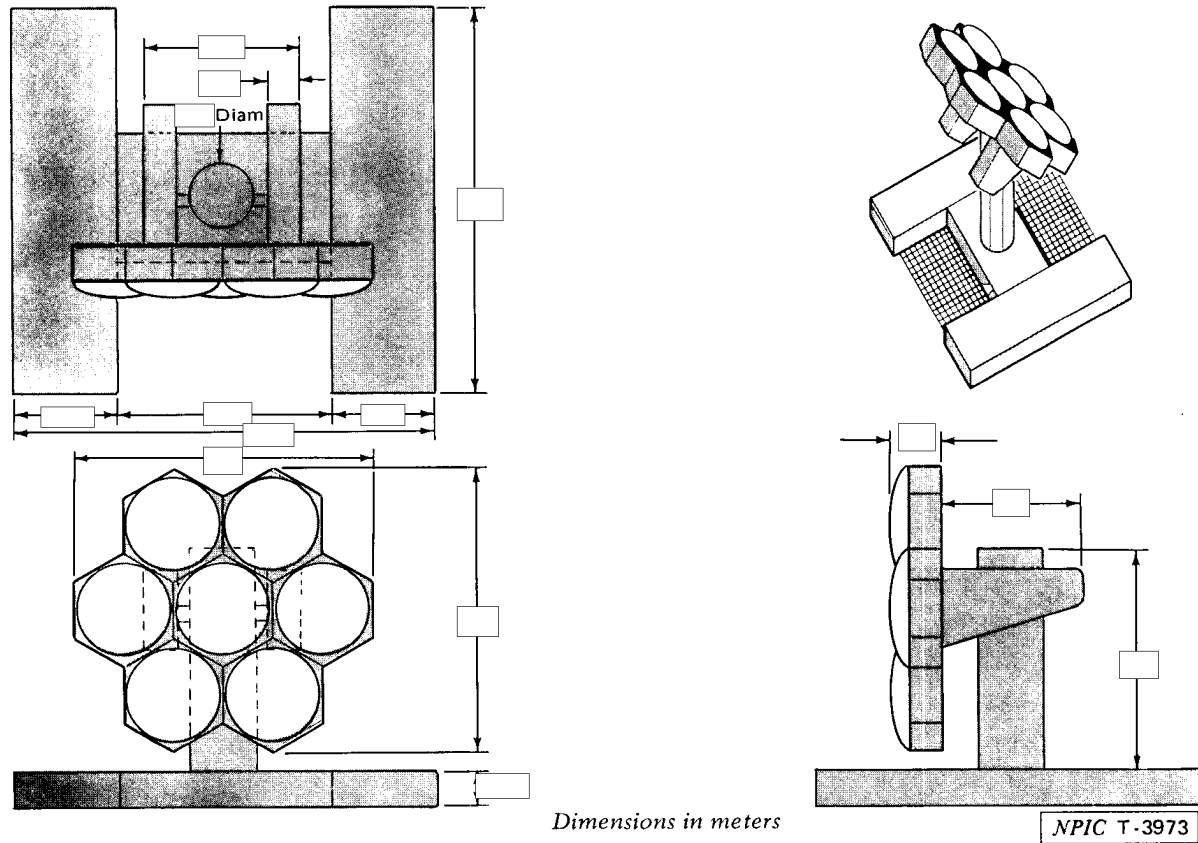


FIGURE 3. CONCEPTUAL DRAWING OF TRANSPORTABLE TT-EL-01 TELEMETRY ANTENNA

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REFERENCES

IMAGERY

(S/D) All available satellite imagery acquired through [] was used in the preparation of this report.

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RELATED DOCUMENTS

1. NPIC. [] IAR-0189/81, *SS-19 Missile Activity in Launch Group C, Tatishchevo SSM Complex, USSR (S)*, Nov 81 (TOP SECRET [])
2. NPIC. Z-20147/81, IAR-0160/81, *TT-EL-01 Probable Telemetry Antenna, USSR (S)*, Sep 81 (SECRET/[])

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(S) Comments and queries regarding this report are welcome. They may be directed to [] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, []

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